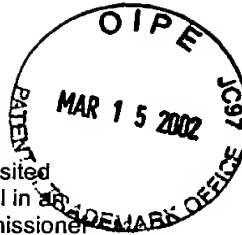


**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope, with sufficient postage, addressed to: Commissioner for Patents, Washington, D.C. 20231, on



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Date of Deposit

Dwayne L. Bentley

Name of Applicant, Assignee or  
Registered Representative

*Dwayne L. Bentley*  
Signature

3/3/02

Date of Signature

Our Case No.: 11313/3

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Roger Hoyland

Serial No.: 09/980,993

Filing Date: December 4, 2001

For: 180° PHASE SHIFT STRUCTURE  
IN WIDEBAND MICROWAVES

Examiner: Unknown

Group Art Unit No.: 2817

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant respectfully requests that this Information Disclosure Statement be entered and the documents listed on the attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R. § 1.97(g)(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be material to patentability as defined in 37 C.F.R. § 1.56(b).

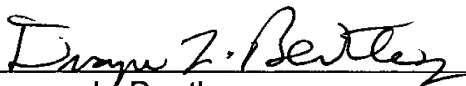
This Information Disclosure Statement is being filed prior to the receipt of the first Official Action reflecting an examination on the merits. Hence, Applicants believe this Information Disclosure Statement to be timely filed in accordance with 37 C.F.R. § 1.97.

No fees are believed to be due in connection with filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commission is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925. A duplicate copy of this document is enclosed.

In addition, Applicants state in accordance with 37 C.F.R. § 1.97(e)1), hereby certify that each item of the information disclosed in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to filing of the present statement. Enclosed is a copy of the International Search Report showing the "Documents Considered to be Relevant" section.

Applicant respectfully requests that the listed documents be made of record in the present case.

Respectfully submitted,

  
Dwayne L. Bentley  
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Attorney for Applicant

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